BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: IMPROVEMENTS TO KALYANI AT YELAHANKA LAKE IN KEMPEGOWDA WARD NO-01

Client	Sri. P.Dhamodara Raju, No: 19, 3rd Floor, 1st main, Nrupathunganagara, J.P.Nagara, 7th Phase, Bangalore-560078

RATE ANALYSIS

Estimate Amount:-	10000000.000
Approved Amount	9621070.000
Name of Contractor:-	Sri. P.Dhamodara Raju

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.45%	Final Rate.
6	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge	cum	Pg No.13 of KPWD S.R 2018-18 (Issue Rate)	4.60	5919.71	-	5919.71	473.5768	6393.29	284.50	6677.79
10	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour Complete as per specifications and the directions of the Engineer-in-charge	cum	Pg No.7 of KPWD S.R 2018-19	2.10	201.00	-	201.00	16.08	217.08	9.66	226.74

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.45%	Final Rate.
12	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curingComplete as per specifications and the directions of the Engineer-in-charge	Cum	Pg No.13 of KPWD S.R 2018-19	4.50	5950.14	-	5950.14	476.0112	6426.15	285.96	6712.11
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	Pg No.16 of KPWD S.R 2018-19	4.28	258.00	-	258.00	20.64	278.64	12.40	291.04
17	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0 70 cum and fine aggregtes @ 0 47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing. Complete as per specifications and the directions of the Engineer-in-charge	Cum	Pg No.14 of KPWD S.R 2018-19 (Issue Rate)	4.10	6517.09	-	6517.09	521.3672	7038.46	313.21	7351.67

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.45%	Final Rate.
18	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge	tonne	Pg No.18 of KPWD S.R 2018-19 (Issue Rate)	4.46.2	87417.00	-	87417.00	6993.36	94410.36	4201.26	98611.62
37	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and the directions of the Engineer-in-charge .	Sqm	Pg No.45 of KPWD S.R 2018-19	7.38	6021.00	-	6021.00	481.68	6502.68	289.37	6792.05
	EIRL										
E1	KSRRB M2100 Excavation in Marshy soil KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring and shuttering, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. MORTH Chapter 12 KBS Pg No 221, Item No 27.11	cum	Pg No.221 of KPWD S.R 2018-19	27.11	902.00	-	902.00	72.16	974.16	43.35	1017.51

Sl.No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)4.45%	Final Rate.
E2	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification page no 111 item no 14.56	m	Pg No.111 of KPWD S.R 2018-19	14.56	180.00	-	180.00	14.4	194.40	8.65	203.05
	TOTAL EIRL AMOUNT				1082.00						

Asst Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Unit. Zn)
Yelahanka, Bangalore

Executive Engineer

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Sl. NO	Specification No	Units	Rate Considered in 2018-19 SR from 10-10-2018 to 09-04-2019	Rate of per bag of Cement Considered in 2018-19 SR from 10-10-2018 to 09-04-2019	Rate of per bag of Cement wef 02-11-2021	Qty Of Cement used in (Kgs) per Cum of Cencrete as per SR 2018-19 Specification	no of Bags of Cement used	Amout in Rs considering Rate per bag as per 2018-19 SR From 10-10-2018 to 09-04-2019 for No. of bags used in one Cum of Concrete	Amout in Rs. considering Rate per bag wef 02-11-2021 for No. of bags used in one Cum of Concrete	Rate Considered in 2018-19 SR wef 02-11-2021
			[1]	[2]	[3]	[4]	[5]=[4]/50	[6]=[5]x[2]	[7]=[5]x[3]	[8]=[1]-[6]+[7]
1	4.6	Cum	5422	245.31	349.00	240	4.8	1177.488	1675.2	5919.71
10	4.5	Cum	5328	245.31	349.00	300	6	1471.86	2094	5950.14
11	4.10	Cum	5812	245.31	349.00	340	6.8	1668.108	2373.2	6517.09

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15-01

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(BBMP Yn. Zn)
Yelahanka, Bangalore